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APPLICATION NO.	FIL	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/751,831	01/05/2004		Sadanand V. Deshpande	FIS920030078US2 3568 (16422A)		
23389	7590	08/25/2005		EXAMINER		
SCULLY SO	COTT MI	JRPHY & PRES	WOJCIECHOWICZ, EDWARD JOSEPH			
400 GARDE			•			
SUITE 300				ART UNIT	PAPER NUMBER	
GARDEN CI	TY, NY	11530		2815		

DATE MAILED: 08/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

			11.1
	Application No.	Applicant(s)	,
	10/751,831	DESHPANDE ET AL.	
Office Action Summary	Examiner	Art Unit	
	Edward Wojciechowicz	2815	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the o	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period of the period of the period for reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tir y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from b. cause the application to become ABANDONE	mely filed ys will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).	
Status			
 1) ⊠ Responsive to communication(s) filed on 13 July 2a) ⊠ This action is FINAL. 2b) ☐ This 3) ☐ Since this application is in condition for allowange closed in accordance with the practice under Expression in the practice of t	action is non-final. nce except for formal matters, pre		
Disposition of Claims			•
4) Claim(s) 15-20 is/are pending in the applicatio 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 15-20 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	wn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposed and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct to be the Examine and the correct to be the Examine and the specific and the spec	epted or b) objected to by the drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob	ee 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority document 2. ☐ Certified copies of the priority document 3. ☐ Copies of the certified copies of the priority application from the International Bureat* See the attached detailed Office action for a list.	ts have been received. ts have been received in Applicat prity documents have been receiv tu (PCT Rule 17.2(a)).	tion No red in this National Stage	
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail [5) Notice of Informal 6) Other:		

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DETAILED ACTION

Claim Rejections - 35 USC § 103

Claims 15-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mandelman in view of Divakaruni and Puchner et al (6,156,620). As stated in the previous action, hereby incorporated by reference, Mandelman and Divakaruni teach the basic structural configuration of the invention including the use of nitride trench liners with NFET and PFET devices. Amended claim 15 now requires that the nitride liner extend into the substrate wall. Puchner also teaches the se of nitride trench liners for use in semiconductor devices, and further uses plasma nitridation to form the liners. As stated by applicant in the remarks, this particular process inherently produces nitride liners that penetrate into the semiconductor substrate, as claimed.

One skilled in the art would be motivated to combine these references in order to achieve a superior device isolation with the nitride liner taught by Puchner.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Wojciechowicz whose telephone number is 571-272-1739. The examiner can normally be reached on Monday through Thursday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (571) 272-1664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Edward Wojciechowicz Primary Examiner

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EW: ew